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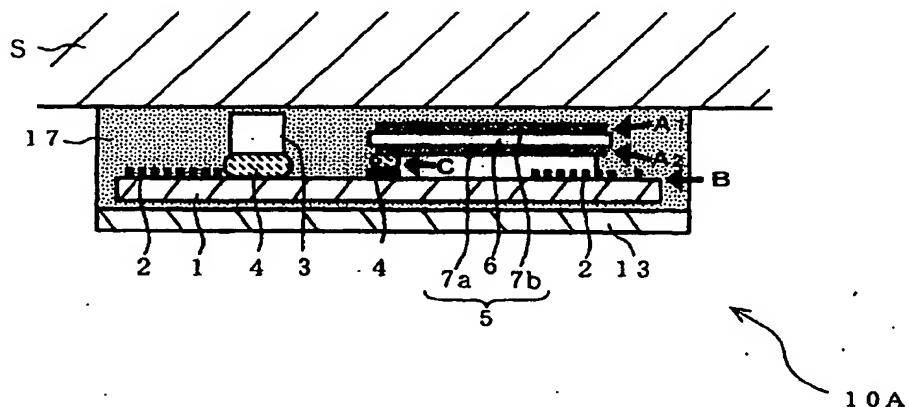
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(54) Information recording security tag

(57) The information recording tag includes an IC module in which an IC chip (3) and a resonance circuit which is composed of a film capacitor (5) and of an antenna coil (2) are packaged on a substrate, and an adhesive (17) that is applied to the IC module in order to adhere said IC module to an adherend S. The adhesive force between the adhesive (17) and the adherend S is

greater than the adhesive force between the insulation film (6) of the film capacitor (5) and the film type electrodes (7a,7b). The information recording tag, that is affixed to a prescribed adherend and used, can be destroyed if an attempt is made to remove it from its adherend after the information recording tag has been affixed to an adherend, in order to prevent improper usage of the information recording tag.

Fig. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 5803

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
E	EP 1 120 739 A (SONY CHEMICALS CORP) 1 August 2001 (2001-08-01) * column 1, line 50 - column 2, line 9 * * column 3, line 48 - column 4, line 17 *	1,3-5	G06K19/077
A	US 5 635 917 A (TODMAN VICTOR) 3 June 1997 (1997-06-03) * column 3, line 24 - column 5, line 11; claim 1 *	1-4	
A	EP 0 670 563 A (FLEXCON CO INC) 6 September 1995 (1995-09-06) * column 4, line 29 - column 7, line 39; claim 1 *	1-4	
TECHNICAL FIELDS SEARCHED (Int.Cl.)			
G06K G08B			
The present search report has been drawn up for all claims			
Place of search MUNICH	Date of compilation of the search 6 August 2002	Examiner Gronau von, H-C	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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ON EUROPEAN PATENT APPLICATION NO.

EP 01 10 5803

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The members are as contained in the European Patent Office EDP file on
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06-08-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1120739	A	01-08-2001	JP	2001202492 A	27-07-2001
			CN	1306263 A	01-08-2001
			EP	1120739 A2	01-08-2001
			US	2001008684 A1	19-07-2001
US 5635917	A	03-06-1997	AT	141882 T	15-09-1996
			CA	2109581 A1	14-10-1993
			DE	69304285 D1	02-10-1996
			DE	69304285 T2	17-04-1997
			EP	0586678 A1	16-03-1994
			FI	935296 A	29-11-1993
			WO	9319993 A1	14-10-1993
			NO	934324 A	29-11-1993
EP 0670563	A	06-09-1995	US	5751256 A	12-05-1998
			AT	195385 T	15-08-2000
			CN	1113332 A	13-12-1995
			DE	69518261 D1	14-09-2000
			DE	69518261 T2	29-03-2001
			EP	0999532 A1	10-08-2000
			EP	0670563 A1	06-09-1995
			ES	2150540 T3	01-12-2000
			JP	2875764 B2	31-03-1999
			JP	8063099 A	08-03-1996
			US	5902437 A	11-05-1999
			US	2001044013 A1	22-11-2001
			US	5920290 A	06-07-1999